WHAT IS CLAIMED:

[00024] 1. A method of accelerating setting time of concrete at low temperatures, the method comprising:

(a) obtaining an admixture comprising a non-chloride type accelerator and a nitrite-based corrosion inhibitor; and

(b) adding the admixture to a cement either separately or jointly, to produce a concrete mix with an accelerated setting time compared to a concrete without the admixture.

[00025] 2. The method of claim 1, wherein the admixture is added to the concrete when the ambient temperature is less than about 60° and more than 0° F

[00026] 3. The method of claim 1, wherein the accelerator is comprised of about 30% parts of the non-chloride type accelerator and 70% parts of the nitrite-based corrosion inhibitor.

[00027] 4. The method of claim 1, wherein the corrosion inhibitor is calcium nitrite-based.

[00028] 5. The method of claim 4, wherein the corrosion inhibitor is RHEOCRETE® CNI.

[00029] 6. The method of claim 1, wherein the non-chloride type accelerator is POZZUTEC® 20.

[00030] 7. The method of claim 1, wherein the concrete contains at least one filler.

[00031] 8. The method of claim 7, wherein the filler is a pozzolan.

[00032] 9. The method of claim 8, wherein the pozzolan is fly ash.

[00033] 10. An admixture for use in concrete at temperatures of less than 60° F, the admixture comprising a non-chloride type accelerator and a nitrite-based corrosion inhibitor.

[00034] 11. The admixture of claim 10, wherein the accelerator comprises about 30% parts of the non-chloride type accelerator and 70% parts of the nitrite-based corrosion inhibitor.

[00035] 12. The admixture of claim 10 further comprising a filler.

[00036] 13. The admixture of claim 12, wherein the filler is a pozzolan.

[00037] 14. The admixture of claim 13, wherein the pozzolan is fly ash.